

Sevcon Controller Diagnostic Chart

The Sevcon controller is identified by its blue case

5 Diagnostic Codes

- 1) A Light Emitting Diode (LED) is used to indicate controller status.
- 2) When operating normally, the LED will be ON continuously.
- 3) If the controller is faulty, the LED will be OFF.
- 4) If there is a vehicle fault the LED will flash.
- 5) The information given by the flashing is as follows:

Number of Flashes	Reason	Check
3	a) Low resistance or short circuit between M1 and B- producing a low voltage across the Mosfets, or b) Contactor coil short circuit.	a) Mosfet s/c, motor s/c to B-, power wiring. b) Coil s/c, coil wiring.
4	Contactors welded or wiring fault giving a high voltage between M1 and B- before closing the contactor	Welded contactor tips, power wiring.
5	No high voltage (approximately equal to battery voltage) between M1 and B- after closing the contactor.	Coil wiring, power wiring, motor o/c.
6	Accelerator input high at start up.	Accelerator wiring. Accelerator set towards maximum.
7	Incorrect battery voltage – less than 13V or higher than 45V.	Correct battery voltage, loose connections, discharged battery.
8	Controller has overheated. Allow controller to cool.	Heatsinking, mounting.